

IL'CHENKO, S.G.

Thirtieth anniversary of the Odessa Technological Institute of the  
Food and Refrigeration Industry. Kons.i ov.prom. 15 no.11:21-24 N  
'60. (MIRA 13:10)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy  
promyshlennosti.

(Odessa--Food industry--Study and teaching)

GOLOVKIN, N.A., prof.; CHIZHOV, G.B., prof.; IL'CHENKO, S.G., kand.tekhn.nauk,  
retsenzent; SHEFFER, A.P., kand.tekhn.nauk, retsenzent; MASLOVA, Ye.F.,  
red.; MAMONTOVA, N.N., tekhn.red.  
[Refrigeration technology for food products] Kholodil'naya tekhn-  
nologiya pishchevykh produktov. 2., dop. i perer. izd. Moskva,  
Gosgorgizdat, 1963. 240 p. (MIRA 16:3)  
(Food--Preservation)

IL'CHENKO, S.G., otv. red.; CHUKLIN, S.G., zam. otv. red.; RYZHENKO, L.P., red.; BADYL'KES, I.S., red.; ALEKSEYEV, V.P., red.; VEYNBERG, B.S., red.; GOGOLIN, A.A., red.; MEL'TSER, L.Z., red.; ZHADAN, S.Z., red.; NAYER, V.A., red.; MINKUS, B.A., red.; BARENBOYM, A.B., red.; NIKUL'SHINA, D.G., red.

[Transactions of the Conference on the Outlook for the Development and Introduction of Refrigerating Equipment into the National Economy of the U.S.S.R.] Trudy Konferentsii po perspektivam razvitiia i vnedreniia kholodil'noi tekhniki v narodnoe khoziaistvo SSSR. Moskva, Gostorgizdat, 1963. 262 p. (MIRA 18:3)

1. Konferentsiya po perspektivam razvitiya i vnedreniya kholodil'noy tekhniki v narodnoe khoziaistvo SSSR. Odessa, 1962.
2. Odesskiy tekhnologicheskii institut pishchevoy i kholodnoy promyshlennosti (for Minkus, Barenboym, Chuklin, Nikul'shina, Zhadan).
3. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti (for Gogolin, Badyl'kes).

IL'CHENKO, Sergey Grigor'yevich, dots.; MARKH, Aleksandr Tevevich,  
dots.; FAN-YUNG, Aleksandr Froymovich, dots.; FEDINA,  
V.N., red.

[Technology of preservation and technochemical control]  
Tekhnologiya konservirovaniia i tekhnokhimicheskii kont-  
rol'. Izd. perer. i dop. Moskva, Pishchevaia promysl.,  
1964. 470 p. (MIRA 18:3)

FREYMUNDT, Ye.N., dots.; KORENEVSKAYA, N.N., dots.; IL'CHENKO, S.P.;  
SAMOILOVA, A.A., dots.; GUROV, G.M., dots.; IVANOV, Ya.M.;  
ZAYTSEVA, N.V., dots.; EYDEL'MAN, M.R., red.; KONIKOV, L.A.,  
red.; PONOMAREVA, A.A., tekhn. red.

[Balance of the gross national product of a Union Republic;  
problems in the theory and methodology of its preparation]  
Balans obshchestvennogo produkta soiuznoi respublikii; vop-  
rosy teorii i metodiki sostavleniia. Moskva, Ekonomizdat,  
1962. 326 p. (MIRA 16:4)

1. Moscow. Ekonomiko-statisticheskii institut.  
(Gross national product)

IL'CHENKO, V., zaslushennyy master sporta.

Thermal soaring for distance. Kryl.rod. 4 no.8:7-8 Ag '53. (MLRA 6:7)  
(Gliders (Aeronautics))

IL'CHEBKO, V.

AID - P-139

Subject : USSR/Aeronautics  
Card : 1/1  
Authors : Il'chebko, V., Pyasetskaya, G., Forostenko, Ya.,  
Masters of Sport  
Title : Should the Central Aeroclub be Like That?  
Periodical : Kryl. Rod., 1, 8 - 9, Ja 54  
Abstract : Letter to the editor suggesting some changes in the  
organization of the Central Aeroclub. The readers  
are invited to discuss the matter.  
Institution : None  
Submitted : No date

IL'CHENKO, V.

AID P - 3116

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 4/24

Author : Il'chenko, V.

Title : Successes of young glider pilots, XXth All-Union glider competition

Periodical : Kryn. rod., 10, 6-7, 0 1955

Abstract : This is a report on the XXth All Union glider competition. The author names organizations and participants who took part in it. He gives the names of several glider types, the rules of the competition, and lists the winners. Photos.

Institution : DOSAAF

Submitted : No date



IL' CHENKO, V., zaslushenny master sporta

Long-distance gliding and landing on a predesignated  
sport. Kryl, rod. 11 no.5:10-11 My '60. (MIRA 13:7)  
(Gliding and soaring)

IL'CHENKO, V. zasluzhenny master sporta

Tactics of a formation soaring flight. Kryl.rod. 14 no.7:  
36-37 JI '63. (MIRA 16:9)  
(Gliding and soaring)

IL'CHENKO, V., polkovnik; RYABOV, N., podpolkovnik; SERGIYENKO, A., mayor

In a complex with tactics. Voen. vest. 44 no.6:60-63 Je '64.  
(MIRA 17:6)

IL'CHENKO, V. A., CAND Agr Sci, "SYSTEM OF CULTIVATING  
SOIL UNDER WINTER WHEAT, <sup>corn</sup> SOWN AFTER CORN UNDER ~~THE~~ CONDI-  
TIONS OF THE SOUTHWEST <sup>from Wooded Steppes</sup> ~~FOREST-STEPPED ZONE~~ <sup>the</sup> OF UKRAINE."  
KIEV, 1961. (MIN OF Agr UKSSR, UKRAINIAN ACAD OF Agr Sci).  
(KL, 2-61, 215).

-218-

RUBIN, S.S.; DAILEVSKIY, A.F.; IL'CHENKO, V.A.; KARASYUK, I.M.

Methods of studying the root systems of agricultural plants.  
Bot. zhur. 47 no.8:1176-1184 Ag '62. (MIRA 15:10)

1. Umanakiy sel'skokhosiystvennyy institut imeni A.M. Gor'kogo.

10.4000

67602

SOV/179-59-5-24/41

AUTHOR: Il'chenko, V.I. (Moscow)

TITLE: Critical Reynolds Number for Flow Behind a Circular Cylinder <sup>26</sup>

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1959, Nr 5, pp 130-132 (USSR)

ABSTRACT: The flow around a circular cylinder of a plane parallel current of a viscous incompressible fluid is considered. The Navier-Stokes equations are expressed in terms of a flow potential which, taking account of the boundary conditions, is in turn expressed in terms of  $\sin \theta$ ,  $\sin 2\theta$  and a descending power series in  $r$ , where  $r$  and  $\theta$  are polar coordinates. The coefficients of the series for  $r$  are found by the Bubnov-Galerkin method. Investigation of the stability of the flow represented by this potential leads to a determinantal equation involving the Reynolds number  $R$ . Numerical solution of this equation for  $R = 10, 20, 25, 30, 40$  shows that the stability of the laminar flow is lost between  $R = 25$  and  $R = 30$ . There are 3 references, 2 of which are Soviet and 1 English. 4

Card 1/1

L 08330-67 EWT(1)/EWT(m)/EWP(t)/ETI IJP(o) JD/WW/JG/GG

ACC NR: AR6033774 SOURCE CODE: UR/0058/66/000/007/A051/A051

AUTHOR: Il'chenko, V. I. 43

TITLE: Obtaining multilayer structures in growing monocrystals from the melt 7/ 16

SOURCE: Ref. zh. Fizika, Abs. 7A429

REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta. Ser. radioelektron, no. 2, 1965, 174-179

TOPIC TAGS: semiconductor crystal, pn transition, monocrystal, crystal, multilayer structure, melt

ABSTRACT: A method is described for obtaining semiconductor crystals with a specific distribution of p-n junction and resistance by drawing from the melt having a given concentration of impurity. Both the drawing rate and the temperature are controlled. [Translation of abstract]

SUB CODE: 20/

Card 1/1 not

L 3914-66 EWT(d)/FSS-2/EEC(k)-2/EWA(c) IJP(c) BC  
 ACCESSION NR: AR5014346 UR/0271/65/000/005/A016/A016 26  
 621.398.001:621.991.13  
 SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 5A112  
 AUTHOR: Filippovich, Ye. I.; Il'chenko, V. I.; Skirta, B. K.; Zyuzin-Zinchenko, A. A.  
 TITLE: Average number of peaks in a remote-control relay system caused by random noise  
 CITED SOURCE: Sb. Ustroystva i elementy prom. telemekhan. Kiyev, 1964, 29-37  
 TOPIC TAGS: telemechanical system, remote control 9, 44  
 TRANSLATION: The noise immunity is calculated for a frequency-type remote-control receiver which comprises a narrow band filter, a detector, and a relay. Formulas are developed for the average number of peaks of the envelope and for the time of the closed state of the relay contacts, in the case of an input LC filter and for a rectangular-attenuation-characteristic filter. An experimental hookup used for verifying the theory is described. The experimental curves show that the calculations correctly describe the physical processes transpiring in the system.  
 SUB CODE: IE ENCL: 00  
 Card 1/1 DP



25576

18-8200

4016, 1045, 1416

S/185/60/005/002/011/022  
D274/D304

AUTHORS: Khodov, Z.L. and Il'chenko, V.I.  
TITLE: Temperature dependence of Young's modulus and of  
the damping decrement of Nichrome alloys with  
tungsten and molybdenum admixtures  
PERIODICAL: Ukrayins'kyi fizychnyy zhurnal, v. 5, no. 2, 1960,  
235-239

TEXT: The influence of tungsten and molybdenum admixtures on  
Young's modulus and the internal friction of Nichrome alloys is  
studied, as well as their temperature dependence. For determining  
Young's modulus and the damping decrement, a device was used (de-  
signed at the Institute of Metalphysics) which permits determining  
very accurately the frequency of the natural oscillations of the  
specimen and the number of oscillations for which the amplitude is  
reduced by half; the elasticity modulus and the damping decrement  
were calculated on this basis. Graphs are given where the obtained  
time-dependences are plotted. For Ni-Cr-W alloys, an increase in

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Temperature dependence...

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S/185/60/005/002/011/022  
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tungsten content from 0.6 to 2.86 at .% leads to an increase of the elasticity modulus over a temperature range of 20 to 800°C. The damping decrements for these alloys vary little from room temperature to 500-550°C, but a further increase in temperature leads to a sharp rise in the damping decrement. For Ni-Cr-Mo alloys, containing 0.97 and 3.25 at .% Mo, the elasticity modulus has nearly the same value; the alloy with 6.44 at .% Mo has the smallest modulus. The relationships for the damping decrement of these alloys are similar to those for Ni-Cr-W. The observed sharp rise in the damping decrement is apparently due to viscous slip along the grain boundaries. From the obtained temperature dependences of the elasticity modulus, the temperature coefficients were computed graphically; the temperature coefficients differ very little from each other for all the investigated alloys at the same temperature. It is noted that the alloy containing 15.94 at .% Cr and 3.25 at .% Mo has an elasticity modulus nearly equal (for the entire interval) to the modulus of the alloy containing 16.48 at .% tungsten; this value of the elasticity modulus is the largest of all the investigated values. The relationships obtained between the modulus and the

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D274/D304

Temperature dependence...

molybdenum and (respectively) tungsten content lead to the conclusion that these admixtures have a similar effect on Ni-Cr alloys, (at any rate for small admixtures of the third element, up to 3 at .%). There are 5 figures, 2 tables and 4 Soviet-bloc references.

ASSOCIATION: Instytut metalofizyky AN USSR (Institute of Metal-physics AS UkrSSR)

SUBMITTED: July 8, 1959

X

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20268

18.8100

1413, 1418, 1138

S/180/61/000/002/008/012  
E071/E435

**AUTHORS:**

Polotskiy, I.G., Beniyeva, T.Ya., Khodov, Z.L. and  
Il'chenko, V.I. (Kiyev)

**TITLE:**

The Influence of Alloying on Some Physical  
Characteristics of Chromium and Nickel-Chromium Alloys

**PERIODICAL:** Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh  
nauk, Metallurgiya i toplivo, 1961, No.2, pp.108-114

**TEXT:** The relations governing changes in the elastic properties of alloys were studied in order to investigate the influence of some factors on the strength of interatomic bonds. The influence of the composition, temperature and plastic deformation on the elastic properties of solid solutions of transition elements was investigated. In addition, non-elastic properties for nickel-based alloys were also studied. The influence of tungsten and iron on the elastic properties of chromium, as well as of tungsten and molybdenum on the elastic and non-elastic properties of nichrome, and the influence of plastic deformation on the elastic properties of nichrome were investigated. Determination of the elastic  
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## The Influence of ...

properties of chromium and its alloys was carried out on ultrasonic impulse apparatus described by I.G.Polotskiy and T.Ye.Stefanovich (Ref.1) and the Young modulus and the damping decrement at elevated temperatures on an apparatus described by I.G.Polotskiy and V.F.Taborov (Ref.2). Chromium-based alloys, containing up to 13.05% of tungsten and up to 3.11% of iron, were used for the investigations. Chromium and its alloys were prepared from electrolytic chromium by smelting and casting in a high vacuo. The cast chromium was about 99.9% purity. Experimental chromium-tungsten alloys were smelted in a high-frequency furnace in an argon atmosphere. Nickel-based alloys Ni-Al, Ni-Cr-Mo, Ni-Cr-W were smelted in a high-frequency furnace in a vacuo. The purity of the starting materials was as follows: Cr - 99.9%, Ni - 99.99%, W - 99.95% and Mo- 99.9%. The chemical composition of the alloys investigated is given in wt.% in the table (OCT - rest). The Young modulus and the damping decrement were measured on polished specimens in the form of rods 7 mm in diameter and 200 mm long. During heat treatment the specimens were sealed in a quartz tube from which air had been evacuated ( $10^{-4}$  mm Hg). Chromium and Cr-Fe, Cr-W alloys were

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heated to 1100°C and retained at this temperature for 3 hours. Determination of the temperature dependence of the Young modulus was carried out in vacuo. In order to preserve approximately the same grain size of nickel alloys, the following heat treatment was used: nichrome alloys with various additions of tungsten in the form of 12 mm semis were heated to 900°C for 4 hours and, after producing the specimen, at 900°C for 1 hour; nichrome alloys with molybdenum additions in the form of 12 mm semis were annealed at 900°C for 2 hours and the specimens made from these were annealed at 900°C for 1 hour. After polishing, the specimens were annealed at 800°C in vacuo for 20 minutes. Cooling after annealing was done with the furnace. Determination of the velocity of propagation of longitudinal and transverse sonic waves in chromium (99.9%) enabled calculating the Young modulus, the shear modulus, Poisson's coefficient and the modulus compression from all sides for specimens of electrolytic chromium ( $E = 27540 \text{ kg/mm}^2$ ,  $G = 11150 \text{ kg/mm}^2$ ,  $\mu = 0.24$  and  $K = 17100 \text{ kg/mm}^2$ ). The experimental results are given in graphs as follows: concentration and temperature dependence of the elastic modulus for chromium

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alloys (Fig.1); temperature dependence of the Young modulus for Ni-Al alloys (Fig.2); temperature dependence of the Young modulus (continuous lines) and the damping decrement (broken lines) for nichrome with various additions of tungsten (a) and molybdenum (b) (Fig.3). Since changes in the elastic properties of metals and alloys after cold plastic deformation have been little studied, the authors investigated this influence on Ni-Cr alloys (Ni + 10.48 at.% Cr, Ni + 23.46 at.% Cr and Ni + 28.13 at.% Cr). In order to establish general relationships, copper of 99.9% purity was studied first. Determination of the elastic characteristic was done on the basis of changes in the velocity of propagation of longitudinal and transverse sound waves in the initial and deformed states in the direction of deforming stresses and perpendicular to this direction. The accuracy of the measurements was about 0.1%. All specimens were investigated in the annealed state. Ni-Cr alloys were deformed in a 60 ton press by uniaxial compression. The degree of deformation varied from 0 to 60%. The experimental results for copper are shown in Fig.4. The magnitude of the elasticity modulus of copper changes depending on the direction and

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The Influence of ...

degree of plastic deformation. In the direction of applied stresses for up to 9% of plastic deformation the Young modulus decreases, then remains constant to up to about 12% and with further increase of plastic deformation it decreases linearly. The elasticity modulus in the direction perpendicular to the direction of applied stresses decreases more sharply up to about 9% of the plastic deformation, then remains practically unchanged up to 20% of deformation and reaches a constant value on increasing the degree of deformation to 57%. At a deformation above 10% the difference in the value of the elasticity modulus in two perpendicular directions is probably related to a steady formation of the texture which is characteristic for this form of deformation. The influence of a low temperature annealing (100, 200, 300, 400 and 500°C) on the elastic properties of copper submitted to plastic deformation of 25 to 57% was also studied. The results (Fig.5) indicate that the temperature of the beginning of recrystallization is lower at higher degrees of deformation, e.g. for a 57% deformed copper specimen an increase in the elasticity modulus was observed already at 200°C while for less deformed specimens no change in the Young modulus was observed at Card 5/4



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The Influence of ...

this temperature. The value of the Young modulus of nickel alloys (Fig.6) also changes depending on the direction of applied stresses and the degree of deformation, whereupon a larger decrease of elastic properties was observed for alloys than for copper. It is pointed out that in nickel alloys, the influence of plastic deformation on the decrease of the modulus of elasticity increases with increasing concentration of chromium. The latter is possibly caused by the fact that in Ni-Cr alloys in addition to the formation of texture a decrease of elasticity takes place due to the destruction of the K-state, formed during the thermal treatment of alloys. The following conclusions are arrived at. 1) An increase in the elasticity moduli on additions of tungsten to chromium and a decrease in the Young modulus for Cr-Fe alloys within a wide range of temperatures indicates that tungsten in binary Cr-W alloys slightly strengthens interatomic bonds, while an addition of iron to chromium leads to weakening of the latter. 2) The temperature dependence of the Young modulus for nickel alloys containing 1.1 to 5.0 at.% of aluminium in the ferromagnetic temperature range is of the same character as for pure nickel but with increasing concentration of

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aluminium the curves of the temperature dependence begin to flatten out. Additions of aluminium have a slowing effect on the decrease in the Young modulus at elevated temperatures (500 to 800°C) and thus aluminium counteracts the weakening of Ni-Al alloys.

3) With increasing concentration of tungsten in nichrome (from 0.60 to 2.86 at.% W) the absolute value of the Young modulus for Ni-Cr-W alloys increases and its higher value is retained for alloys with a higher concentration of tungsten in the whole temperature range investigated (20 to 700°C). With increasing concentration of molybdenum from 0.97 to 6.44 at.%, the elasticity modulus for Ni-Cr-Mo alloys changes little. Therefore, the above alloys can be classified into a single group, as their Young moduli are basically determined by the elasticity moduli of nichrome. 4) The curves of the temperature dependence of the damping decrement for nichrome with various concentrations of tungsten and molybdenum have the same character but for alloys with a lower concentration of the above elements a sharp increase in the damping decrement was observed at lower temperatures. The latter is apparently caused by elastic imperfections and in the first instance by viscous slipping along the grain boundaries. There  
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are 6 figures, 1 table and 16 references: 12 Soviet and  
4 non-Soviet.

SUBMITTED: June 1, 1960

Table

Химический состав, вес. %								
O	N	H	Fe	Al	W	Mo	Cr	Ni
0.04	0.04	0.003	—	—	—	—	ост.*	—
0.04	0.04	0.003	1.02	—	—	—	ост.	—
0.04	0.04	0.003	3.11	—	—	—	ост.	—
—	—	—	—	—	2.08	—	ост.	—
—	—	—	—	—	13.05	—	ост.	—
—	—	—	—	—	—	—	ост.	90.99
—	—	—	—	0.50	—	—	—	ост.
—	—	—	—	2.37	—	—	—	ост.
—	—	—	—	—	0.10	1.6	14.46	ост.
—	—	—	—	—	0.50	5.3	14.10	ост.
—	—	—	—	—	0.15	10.3	14.63	ост.
—	—	—	—	—	1.90	—	12.50	ост.
—	—	—	—	—	5.00	—	14.00	ост.
—	—	—	—	—	8.60	—	14.01	ост.

\* Остальное.

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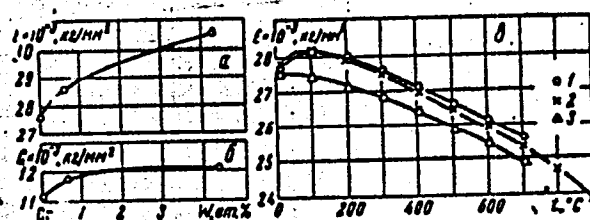
Fig.1. Concentration (a,б) and temperature (B) dependences of elasticity moduli of chromium alloys.

Fig.1a - Young modulus of Cr-W alloys,  $E \times 10^{-3}$  kg/mm<sup>2</sup> vs W, at.%;

Fig.1б - shear modulus of Cr-W alloys,  $G \times 10^{-3}$  kg/mm<sup>2</sup> vs W, at.%;

Fig.1B - the influence of the temperature on the Young modulus of the alloys,  $E \times 10^{-3}$  kg/mm<sup>2</sup> vs t, °C. 1 - Cr + 0.13 at.% O;

2 - Cr + 1.0 at.% Fe; 3 - Cr + 2.9 at.% Fe.



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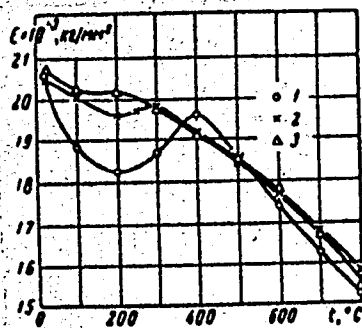
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**Fig. 2.** Temperature dependence of the Young modulus for Ni-Al alloys.  $E \times 10^{-3} \text{ kg/mm}^2$  vs  $t, ^\circ\text{C}$

1 - Ni; 2 - Ni + 1.1 at.% Al; 3 - Ni + 5 at.% Al.



Фиг. 2.

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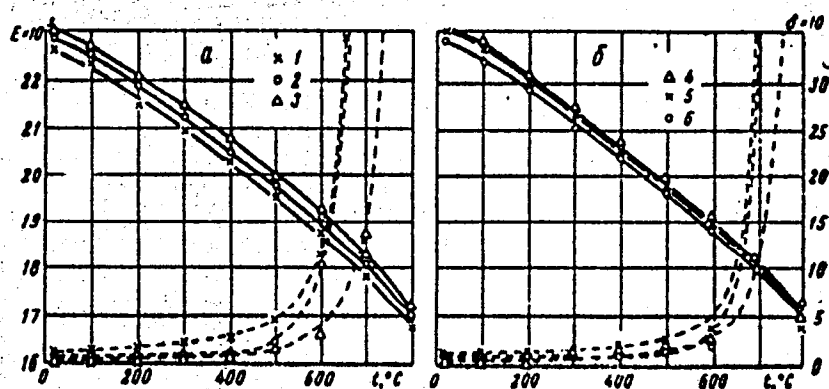
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**Fig.3.** Temperature dependence of the Young modulus (continuous lines) and damping decrement (broken lines) for nichrome with various additions of tungsten (Fig.3a) and molybdenum (Fig.3b)

1 - 0.6 at.% W; 2 - 1.62 at.% W; 3 - 2.86 at.% W;  
4 - 0.97 at.% Mo; 5 - 3.25 at.% Mo; 6 - 6.44 at.% Mo.



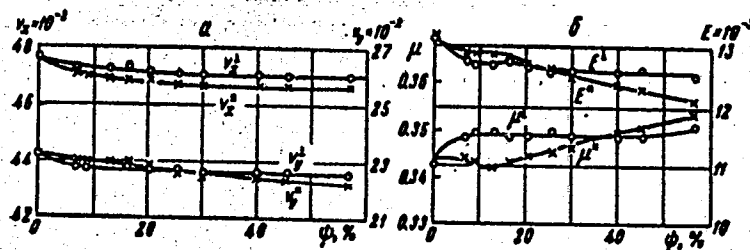
Card 11/14    Фиг. 3.

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Fig. 4. Influence of the degree of plastic deformation  $\psi\%$  of copper on the velocity of propagation of ultrasonic vibrations ( $v$ ), on the change of the Young modulus and Poisson coefficient ( $\sigma$ ) in the direction of the application of stress ( $v_x, v_y, E, \mu$ ) and in the perpendicular direction ( $v_x^\perp, v_y^\perp, E^\perp, \mu^\perp$ )



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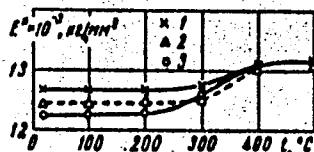
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**Fig.5.** Influence of the annealing temperature on changes in the Young modulus of copper subjected to deformation

1 - 25.6%; 2 - 40.3%; 3 - 57.0%



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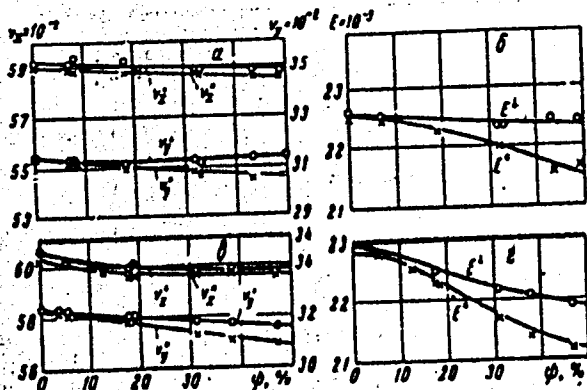


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Fig.6. The influence of the degree of plastic deformation,  $\psi$  %, of Ni-Cr alloys on the velocity of propagation of supersonic vibrations (Fig.6a and B) and changes of the Young modulus (Fig.6c, 2) in the direction of stress ( $v_x''$ ,  $v_y''$ ,  $E''$ ) and in the direct perpendicular to the direction of application of stress ( $v_x'v_y'$ ,  $E'$ ); Fig.6a,B - Ni + 10.48 at.% Cr; Fig.6c, 2 - Ni + 28.13 at.% Cr



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PHASE I BOOK EXPLOITATION

SOV/5238

Il'chenko, Viktor Mikhaylovich, Honored Master of Sport

Paryashchiy polet (Soaring Flight) Moscow, DOSAAF, 1960. 96 p. 5,000 copies printed.

Ed.: A.A. Vasil'yev; Tech. Ed.: F. Ya. Faynshtmidt.

PURPOSE: This booklet is intended for readers interested in glider flying and especially for glider pilots who want to improve their skills and achieve better results in soaring.

COVERAGE: The booklet, written on the basis of the author's long experience in glider flying, describes all basic aspects of soaring. Special attention is given to thermal up-current soaring. A. Pokryshkin, decorated three times as Hero of the Soviet Union, A. Molodchiy, decorated twice as Hero of the Soviet Union, and P. Golovin, A. Yumashev, and S. Anokhin, Heroes of the Soviet Union, are mentioned as former glider pilots. There are no references.

Card 1/2

IL'CHENKO, Viktor Mikhaylovich, zasl. master sporta, obshchestvennyy trener; VASIL'YEV, A.A., red.

[Soaring flight] Pariashchii polet. 2-3 perer. i dop. izd.  
Moskva, Izd-vo DOSAAF, 1964. 135 p. (MIRA 17:5)

1. Vsesoyuznyy planernyy komitet Federatsii aviatsionnogo sporta SSSR (for Il'chenko).

41239  
S/194/62/000/007/118/160  
D271/D308

AUTHORS: Turko, M.N., and Il'chenko, V.N.

TITLE: The influence of electrode material on the field strength in the arc.

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, 56 abstract 7zh377 (In collection: Nekotoryye vopr. emission. i molekulyarn. spektroskopii, Krasnoyarsk, 1960, 53 - 61)

TEXT: Electric field strength  $E$  in the positive column of an AC arc between various electrodes was studied. The value of  $E$  was defined as the slope of the rectilinear part of the graph of inter-electrode voltage drop  $U$  in the function of arc length, whilst amplitude of the pulse current ( $I = 6.7$  A) and flash duration (7 millisecc.) were kept constant. Measurements of electrodes in 12 different metals (Al, Bi, Sn, Pb, Ag, Ni, Cu, Pd, Pt, Cd, Zn, C) have shown that  $E$  increases with the ionization potential of the electrode material,  $U_1$ . Effective temperature ( $11000^\circ\text{K}$ ) was determined from the slope of rectilinear characteristic  $\lg E = f(U_1)$ . Measure-Card 1/2

The influence of electrode material . . . S/194/62/000/007/118/160  
D271/D308  
ments of E with different polarities of electrodes (one of which  
was of graphite) have shown that E is mainly determined by proper-  
ties of anode material. [Abstracter's note: Complete translation.]

Card 2/2

IL'CHENKO, V. P.

124-11-13380

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr 11, p 152 (USSR)

AUTHOR: Il'chenko, V. P.

TITLE: To the Question of the Preliminary Designation of the Dimensions of Intermediate Bridge Piers of Rectangular Planwise Section.  
(K voprosu o predvaritel'nom naznachenii razmerov promezhutochnykh mostovykh opor pryamougol'nogo v plane secheniya.)

PERIODICAL: Tr. Rostovsk. n/D. inzh.-stroit. in-ta, 1957, Nr 7. pp 73-89.

ABSTRACT: The paper provides formulas and nomograms for the determination of the dimensions of pier foundations.

Card 1/1

IL'CHENKO, V.P., inzh.

Outlook for the introduction of reinforced concrete in the  
machinery industry of the Donetsk Economic Council. Mashino-  
stroenie no.1:13-15 Ja-F '65.

(MIRA 18:4)

SHATAYKIN, S.P.; IL'CHENKO, V.S.

Pumping machinery for tanning shops. Kosh.-obuv.prom.2:32-33  
Mr '60. (MIRA 14:5)

(Tanning)  
(Pumping machinery)



IL'CHENKO, V.Ye.

Diagnostic significance of uropepsin in stenocardia and myocardial infarction. Kardiologiya 5 no.1:77-78 Jan '65.

(MIRA 18:9)

1. Kafedra terapii (zav.- prof. T.T. Glukhen'kiy) pediatricheskogo fakul'teta Kiyevskogo meditsinskogo instituta.

VOLOSHCHENKO, Ye.A.; DVORYANCHIK, V.I.; IL'CHENKO, Ye.I.; TOPOL'SKAYA, T.A.;  
CHISTYAKOVA, A.M.

Organization of sanitary supervision by a province sanitary-  
epidemiological station to control the use of poisonous chemicals  
for the treatment of food crops and animals on farms. Vop.pit. 24  
no.3:83-84 My-Je '65. (MIRA 18:12)

1. Kafedra gigiyeny pitaniya Donetskogo meditsinskogo instituta,  
Donetskaya i Lyganskaya oblastnyye sanitarno-epidemiologicheskiye  
stantsii. Submitted June 16, 1964.

*ILCHEV, D.*

BULGARIA / Cultivable Plants - General Problems.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10662.

Author : Iliyev, P., Popov, M., Mazhdrakov, P., Popov, Ye.,  
Velikov, L., Kal'pchiyev, G., Ilchev, D., Dimitrov, K.,  
Boyadzhiev, V.

Inst : Institute of Biology, Bulgaria AN.

Title : The Application of Methods of Stimulation in Agriculture  
and the Results of Experiments in 1954.

Orig Pub : Izv. In-ta biol. Blg. AN , 1956, 7, 3-40

Abstract : A description is given of the results of experiments ~~in~~ on  
a stimulation of plant growth which have been conducted in  
Bulgaria since 1952. Stimulation of rice, sugar beet,  
corn, tobacco, and cotton by soaking the seeds in 2-3%  
potassium bromide solution off a 1% hydroquinone solution  
proved successful.

ILCHEV, D.; ILIEV, P.

Results of four years of experiments in stimulating cotton. p. 3

Bulgarska akademija na naukite. Institut po biologija "Metodi Popov."  
IZVESTIA. BULLETIN. Sofia, Bulgaria, Vol. 9, 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 12,  
December 1959  
Uncl.

ILCHEV, D.; VELKOV. L.

Results from field stimulating experiments with rice. p. 51

Bulgarska akademija na naukite. Institut po biologija "Metodi Popov."  
IZVESTIA. BULLETIN. Sofia, Bulgaria., Vol. 9, 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 12,  
December 1959  
Uncl.

VASILEV, St., inzh.; RAINOV, Shtillian, inzh.; ILCHEV, Georgi, inzh.; NINOV,  
Iliia

Hydraulic study of the Otmanli Petroleum Pier. Izv Gidrav lab 5:169-  
186 '64.

ILCHEV, G.

"Reducing the dimensions of the hydraulic well of the Topolnitsa Dam through the construction of a cut-off cantilever at the beginning of the well."

GODISHNIK NA FAKULTETITE: STROITELN, ARKHITECTUREN I KHIDROTEKHNIЧЕСКИ.  
Sofia, Bulgaria, Vol. 10, No. 2, 1958.

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,  
Vol. 8, No. 8, August, 1959.

Unclassified.

ILCHEV, G.

"Graphoanalytic methods of calculating the water of expanding hydraulic wells with depth of the stream given at their ends."

GODISHNIK NA FAKULTETITE: STRIOTELEN, ARKHITECTUREN I KHIDROTEKHNIČESKI, Sofia, Bulgaria, Vol. 10, No. 2, 1958.

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress, Vol. 8, No. 8, August, 1959.

Unclassified.



ILCHEV, G.

"Hydraulic jump in a channel with changing section in the scheme."

GODISHNIK NA FAKULTETITE: STROITELEN, ARKHITEKTUREN I KHIDROTEKHNICHESKI,  
Sofia, Bulgaria, Vol. 10, No. 2, 1958.

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,  
Vol. 8, No. 8, August, 1959.

Unclassified.

ILCHEV, Georgi K., inzh., st. asistent

Junction of water levels. Izv Gidrav lab 4:71-88 '62.

ILCHEV, Georgi K., inzh., st. n. s.; NINOV, Iliia P., inzh., st.  
asistent

Modeling the pressureless flows in geometrically normaintained  
similarity. Izv Gidrav lab 4:3-38 '62.

ILCHEV, G.K.; NINOV, I.P.

Concept of wide river beds, and their modeling. Izv Inst vodni  
probl 1:137-149 '63.

ILCHEV, Georgi, K., inzh.

Hydraulic dimensioning of baffle plates with a new generalized  
graph. Khidrotekh i melior 8 no.6:178-180,191 '63.

LIACHEN, Georgi K., in ch.

Hydraulic computation of stilling basins in the presence of resistant bodies. Izv Gidrav lab 5:59-87 '64.

EZHDIK, I.; SUEV, Iv.; VELEGANOV, S.; ILCHEV, I.

Some features of the wound healing process among workers in  
a lead-zinc mine. (Preliminary report). Khirurgia 17 no.2:  
145-147 '64.

ILCHEV, S., inzh.

Combine for nonferrous metals at Plovdiv opens a new page  
in the development of our nonferrous metallurgy. Min delo 17 no.1:  
46-48 Ja '62.

1. N-k na otdel "Metalurgija" kum u-nie "Tsvetna metalurgija i  
rudodobiv."



ILCHEV, S., inzh.

Maximal extraction of nonferrous metals from concentrates, main reserve for the increase of labor productivity and decrease of production cost in nonferrous metallurgy. Min delo 17 no.4:32-36 Ap '62.

1. N-k otdel "Metalurgiya" pri Upravlenii "Tsvetna metalurgiya i rudodobiv<sup>a</sup>."

ILCHEV, S., inzh.

On the complex utilization of lead concentrates. Min delo 17 no.7:29-  
31 J1 '62.

1. Nachalnik na otdel "Metalurgija" kum Upravlenie "Tsvetna metalurgija i rudodobiv", chlen na Redaktsionnata kolegiia, "Minno delo i metalurgija".

ILCHEV, S., inzh.

Possibilities of a further labor productivity in nonferrous  
metallurgy. Min delo 18 no.1:21-24 Ja '63.

1. Gl. inzhener na Upravlenie "Tsvetna metalurgija i rudodobiv",  
chlen na Redaktsionnata kolegia, "Minno delo i metalurgija."

ILCHEV, S., inzh.; LAZAROV, T., inzh.; KOSTADINOV, K., inzh.

· Prospective development and technological progress in the treatment of nonferrous metals. Min. delo 18 no.4:22-25 Ap'63

1. Chlen na Redaktsionnata kollegia, "Minno delo i metalurgia" (for Ilchev).

ILCHEV, S., inzh.

Improvement of shaft furnace melting in the nonferrous metallurgy. Min delo 18 no. 11: 31-38 N '63.

1. Upravlenie "Tsvetna metalurgija i rudodobiv", i chlen na Redaktsionnata kolegiia, "Minno delo i metalurgija".

ILCHEV, S.L.; SMIRNOV, V.I.; MISHIN, V.D.

Technical progress in plants of nonferrous metallurgy in the  
People's Republic of Bulgaria. TSvet. met. 36 no.8:92-94  
Ag '63. (MIRA 16:9)  
(Bulgaria—Nonferrous metal industries)

ILCHEV, V., MLADENOV, V., and SMOLNITSKI, K.

"What the Experience of Operating Specialized Heavy Machinery in Construction Indicates."

p. 12 (Stroitelstvo, Vol. 5, No. 7, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,  
Nov 1958

II'CHLV, V.P.

Modernizing equipment in the textile industry. Biul. tekhn.-ekon.  
inform. no. 2:44-48 '61. (MIRA 14:2)  
(Textile machinery--Technological innovations)



MLADENOV, V., inzh.; MATOV, P., inzh.; ILCHEV, V., inzh.

Mechanization in building equal to new tasks. Stroitelstvo 10  
no.1:25-28 Ja-P '63.

IL'ICHEV ENGINEER V. P.

Heating

Method of calculating the amount of heat consumed in heating rapidly the metal installations of a building. Za ekon. top. 9, No 5, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

BULGARIA

ILCHEV, Y., Col.; Army Medical Service

"Clinical Course, Therapy and Epidemiology of Infiltrative Tuberculosis Detected in the Course of Routine Screening."

Sofia, Voenno Meditsinsko Delo, Vol 21, No 2, 1966, pp 35-39.

Abstract: A statistical analysis of the 101 Bulgarian servicemen treated for infiltrative TB in 1961-1964. Of these, 61 were detected in the course of routine X-ray screening, and 40 were detected in medical institutions in conjunction with other complaints. Four Soviet-bloc references.

1/1

- 42 -

GANTMAKHER, Feliks Ruvimovich; IL'ICHEVA, G.M., red.; YERMAKOVA, Ye.A.,  
tekh.red.

[Lectures on analytic mechanics] Lektsii po analiticheskoi  
mekhanike. Moskva, Gos.isd-vo fiziko-matem.lit-ry, 1960.  
296 p. (MIRA 14:4)  
(Mechanics, Analytic)

ZAGORCHEV, V.; ILCHEVA, L.; MITROPOLITSKA, E.

Determination of iron and chromium in ferrochrome and chromites.  
Godishnik khim tekhn 8 no.2:25-31 '61 [publ. '62].

IL'CHEVICH, M.V.

Neurohumoral changes in hypertension. Medych.shur.24 no.1:63-71  
'54. (MLRA 8:10)

1. Kiivs'kiy medichnyy stomatologicheskii institut, kafedra  
patologichnoi fiziologii.

(HYPERTENSION,

neurohumoral changes & sleep ther.)

(SLEEP, therapeutic use,  
hypertension)

(BLOOD,

acetylcholine & adrenergic substances in hypertension)

(ACETYLCHOLINE, in blood  
in hypertension)

GUREVICH, M.I.; IL'CHEVICH, M.V.

Materials on the problem of the effect of prolonged sleep on the course of clinical and experimental hypertension. *Fiziol.zhur.* (Ukr.) 1 no.1:40-45 Ja-P '55.. (MLRA 9:9)

1. Institut fiziologii imeni akademika O.O.Bogomol'tsya Akademii nauk URSR, Laboratoriya fiziologii krovoobigu i dikhannya.  
(HYPERTENSION) (SLEEP--THERAPEUTIC USE)

**IL'CHENVICH, N.Y.**

Neurohumoral changes in the blood in experimental hypertension.  
Fiziol.shur. [Ukr.] 2 no.5:101-108 8-0 '56. (MLA 10:1)

1. Institut fiziologii imeni O.O.Bogomol'tsya Akademii nauk URSS,  
laboratoriya fiziologii krovoobigu i dikhannya.  
(HYPERTENSION) (NERVOUS SYSTEM--DISEASES)  
(BLOOD--DISEASES)



IL'CHEVICH, N.V. [Il'chevych, M.V.]

Change in neurohumoral properties of the blood in hypertension [with summary in English]. Fiziol.shur. [Ukr.] 3 no.6:64-70 D '57.

(MIRA 11:2)

1. Institut fiziologii im. O.O.Bogomol'tsya Akademii nauk USSR,  
laboratoriya fiziologii krovoobigu i dikhaniya.

(BLOOD--ANALYSIS AND CHEMISTRY)

(HYPERTENSION)

IL'CHEVICH, N.V., kand.med.nauk (Kiyev)

Neurohumoral properties of blood in hypertensives and changes brought about by prolonged sleep therapy. Vrach.delo no.8:793-795 Ag '58  
(MIRA 11:8)

1. Laboratoriya fiziologii khovoobrashcheniya i dykhaniya (sav.-deyatvitel'nyy chlen AMN SSSR, prof. N.N. Gorev) Instituta fiziologii AN USSR.

(SLEEP--THERAPEUTIC USE)  
(HYPERTENSION)

DYACHENKO, S.S., BERNASOVSKAYA, Ye.P. [Bernasova'ka, Ye.P.], GUREVICH, M.I.  
[Hurevych, M.I.], ANCHEVSKAYA, M.S. [Ancheva'ka, M.S.], IL'CHEVICH, M.V.,  
[Il'chevych, M.V.]

Studying the effect of ultrasonic vibrations on some microorganisms.  
Report No.1: The destructive effect of ultrasound [with summary  
in English]. Fiziol.shur. Ukr. 4 no.5:612-623 8-0 '58 (MIRA 11:11)

1. Institut fiziologii im. A.A. Bogomol'tsa AN USSR, laboratoriya  
krovoobrashcheniya i dykhaniya i Kiyevskiy institut epidemiologii  
i mikrobiologii, laboratoriya mikrobiologii.

(ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT)  
(BACTERIA)

IL'CHEVICH, N.V. [Il'chevych, N.V.]; KOZAK, V.A.

Changes in the functional state of the cardiovascular system in radiation sickness. Fiziol. zhur. [Ukr] 4 no.6:775-782 N-D '58.

(MIRA 12:3)

1. Institut fiziologii im. A.A. Bogomol'tsa AN USSR, laboratoriya fiziologii krovoobrashcheniya i dykhaniya.

(RADIATION SICKNESS) (BLOOD PRESSURE)

KOZAK, V.A.; IL'CHEVICH, M.V. [Il'chevych, M.V.]

Characteristics of electrocardiograms taken during interoceptive stimulations under conditions of relative coronary insufficiency. Fiziol.shir.[Ukr.] 5 no.4:486-491 J1-Ag '59. (MIRA 12:11)

1. Institut fiziologii im. A.A.Bogomol'tsa AN USSR, laboratoriya fiziologii krovoobrashcheniya i dykhaniya.

(ELECTROCARDIOGRAPHY)

(VISCERA--INNERVATION)

(CORONARY VESSELS--DISEASES)

IL'CHEVICH, N.V., kand.med.nauk; KVITNITSKIY, M.Ye., kand.med.nauk;  
KONDRATOVICH, M.A., kand.med.nauk

Influence of high mountain climate on cardiac function of animals  
with experimental hypertension and experimental coronary insufficiency.  
Vrach.delo no.11:75-78 N '60. (MIRA 13:11)

1. Laboratoriya fiziologii krovoobrashcheniya i dykhaniya (zav. -  
laboratoriyey - deystvitel'nyy chlen AMN SSSR, prof. N.N.Gorev)  
instituta fiziologii imeni A.A.Bogomol'tsa AN USSR.

(ALTITUDE, INFLUENCE OF)

(HEART)

(HYPERTENSION)

BALITSKIY, K.P. [Baltys'kyi, K.P.]; IL'CHEVICH, M.V. [Il'chevyeh, M.V.]

Effect of decortication on the activity of the cardiovascular system. Fiziol. zhur. [Ukr.] 7 no.1:133-141 Ja-F '61.

(MIRA 14:1)

1. Institut fiziologii im. A.A. Bogomol'tsa Akademii nauk USSR, Kiev.

(CEREBRAL CORTEX)

(CARDIOVASCULAR SYSTEM)

IL'CHEVICH, N.V. [Il'chevych, M.V.]; KONDRATOVICH, M.A. [Kondratovych, M.A.]

Effect of mountain climate on the cardiovascular system. Fiziol.  
zhur. [Ukr.] 7 no.5:626-631 S-0 '61. (MIRA 14:9)

1. Laboratory of Circulatory Physiologoy of the A.A.Bogomoletz  
Institute of Physiology of the Academy of Sciences of the Ukrainian  
S.S.R., Kiev.

(ALTITUDE, INFLUENCE OF)  
(BLOOD PRESSURE)



BALITSKIY, K.P.; IL'CHEVICH, N.V.; PRIDATKO, O.Ye.

Changes in cardiovascular and respiratory activities following decortication. Biul. eksp. biol. i med. 51 no.5:18-22 My '61.

(MIRA 14:8)

1. Iz laboratorii kompensatornykh i zashchitnykh funktsiy (rukovoditel' - akademik AN USSR R.Ye. Kavetskiy) i laboratorii fiziologii krovoobrashcheniya i dykhaniya (rukovoditel' - deystvitel'nyy chlen AMN SSSR N.N.Gorev) Instituta fiziologii imeni A.A.Bogomol'tsa AN USSR (dir. - chlen-korrespondent AN USSR prof. A.F.Makarchenko), Kiyev. Predstavlena deystvitel'nyy chlenom AMN SSSR N.N.Sirotininy.

(CEREBRAL CORTEX)

(RESPIRATION)

(BLOOD PRESSURE)

GUREVICH, M.I. [Hurevych, M.I.]; GOLOV, D.A. [Holov, D.O.]; ~~IL'CHEVICH, M.V.~~  
[Il'chevych, M.V.]; KOZAK, V.A.; KONDRATOVICH, M.A.;  
KVITNITSKIY, M.Ye. [Kvitnyts'kiy, M.IE.]; MARTYSENKO, A.G.  
[Martynenko, A.H.]; BRATUS', V.V.

Some problems in the physiology and pathology of underwater  
swimming; study of the functional state of the cardiovascular  
system in underwater swimming. Fiziol. zhur. [Ukr.] 8 no.3:  
309-318 My-Je '62. (MIRA 15:6)

1. Laboratoriya fiziologii krovoobrashcheniya Instituta fizio-  
logii im. Bogomol'tsa AN USSR, Kiev.  
(CARDIOVASCULAR SYSTEM)  
(SWIMMING) (UNDERWATER PHYSIOLOGY)

S/238/62/008/003/002/008  
1015/1215

AUTHOR: Balyts'kyy, K. P., <sup>N</sup>Il'chevich, M. V. and Pridatko, O. Yu.  
TITLE: The effect of decortication on arterial pressure and respiration  
PERIODICAL: Fiziologichnyy zhurnal, v. 8, no. 3, 1962, 339-345

TEXT: This is a continuation of previous studies on the role of CNS in the regulation of blood pressure and respiration. Attempts were made to reveal latent functional disorders of circulation and respiration in decorticated animals. The experiments were carried out on 45 rabbits weighing 2.0-2.5 kg. The arterial pressure and respiration were recorded on a kymograph. Both unilateral and bilateral decortication were performed according to Balyts'kyy's method. The potent vasometer hormone from the posterior pituitary (puitritin) was injected i.v. in doses of 0.3-0.6 U/kg b.w. Arterial pressure and respiration were recorded at the moment of introducing the hormone and 30 sec, 1,3,5,10,20, and 30 hours afterwards. Decortication alone brought about only slight circulatory and respiratory changes. The pressor effect of puitritin was less marked in decorticated animals, especially at long periods after decortication. Abnormal cardio-vascular reactions to puitritin were often observed after decortication. Arterial pressure was lower in all the decorticated animals after introduction of the hormone. Respiratory arrest after administration of puitritin lasted longer and its return to

Card 1/2

The effect of decortication on...

S/238/62/008/003/002/008  
1015/1215

normal occurred later than in the controls. A direct dependence between the extent of circulatory and respiratory disorders and the extent to which CNS is affected has been established.

**ASSOCIATION:** Laboratoriya kompensatornykh i zakhysnykh funktsiy i laboratoriya fiziologii krovoobihu i dykhannya Instytutu fiziologii im. O. O. Bohomol'tsya Akademii nauk URSR (Laboratory of Compensatory and Defensive Functions and Laboratory of Blood Circulation and Respiration Physiology, Institute of Physiology im. O. O. Bohomolets, AS UkrSSR)  
Kiev

**SUBMITTED:** June 22, 1960

Card 2/2

IL'CHEVICH, N.V. [Il'chevyoh, M.V.]

Changes in the interoceptive reflexes in disorders of the coronary circulation. Fiziol. zhur. [Ukr.] 10 no.3:351-359 My-Je '64.  
(MIRA 18:9)

1. Laboratoriya fiziologii krevotobraashcheniya Instituta fiziologii im. A.A.Bogomol'tsa AN UkrSSR, Kiyev.

ILCHEVSKI, S.

Familial cerebral cysticercosis. Suvrem.med., Sofia no.8:101-105  
'59.

1. Iz Katedrata po nervni bolesti pri VMI "I.P. Pavlov" - Plovdiv.  
Zav.katedrata: prof. Tr. Zeprianov.  
(CYSTICERCOSIS case reports)  
(BRAIN dis.)

USUNOV, N.; ILCHEVSKI, S.

Metastatic cancer to the central nervous system. Suvrem.med.,  
Sofia no.9/10:86-94 '59.

1. Iz Katedrata po nervni bolesti pri VMI - Plovdiv. Zav. katedrata  
prof. Tr. Zaprianov.  
(BRAIN neopl.)

BULGARIA

St. ILCHEVSKI, Department of Neurology (Katedra po nervni bolesti)  
Head (rukovoditel) Prof Tr. ZAPRYANOV, Medical College (VMI) "I.P.Pavlov",  
Plovdiv.

"Temporal Arteritis."

Sofia, Suvremenna Meditsina, Vol 14, No 2, 1963; pp 66-70.

Abstract [English summary modified]: Case report. Man aged 71, always healthy prior to sudden development of typical temporal arteritis shortly followed by attacks of asthma (common allergic background of the arteritis and asthma); he contracted influenza and succumbed. Temporal arteritis is considered more frequent than generally believed. Photograph of patient's head; 3 Soviet and 17 Western references.

1/1



ILCHIEVICI, C., AND OTHERS.

Research on mixtures of perennial herbs in rotation of  
forage crops. p. 991.  
Academia Republicii Populare Romine. COMUNICARILE. Bucuresti.  
Vol. 5, no. 6, June 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress,  
Vol. 5, No. 12, December 1956

RUMANIA/Farm Animals - General Problems

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69238

Author : Baia, G., Ilchievici, C., Nica, V., Bistriceanu, C.

Inst : -

Title : Need for Consolidation of the Nutrition Base and  
Correct Feeding of Animals for Increase of the Stock and  
Growth of Its Productiveness

Orig Pub : Probl. zoothn., 1956, No 10, 5-12

Abstract : No abstract.

Card 1/1

CATEGORY: CULTIVATED PLANTS, Fodder Grasses and Roots.  
 ABS. JOUR. REF ZHUR - BIOLOGIYA, NO. 4, 1959, No. 15691  
 AUTHOR: Ilchievici, C.; Niculescu, M.  
 INST. Res. Inst. of Agric.  
 TITLE: Study of Forage Crops Used in a Green Conveyor System

ORIG. PUB. : An. Inst. cercetari aeron., 1957, 24, No.5, 169-178

ABSTRACT : At eight experimental stations in 1947 to 1954, the meadow pasture department of the Agricultural Research Institute of Romania carried out a series of investigations on installations of a green conveyor. The best principles of organization, composition of crops and their correlation, the crop yield and duration of their use are described.

CARD: 1/ 1

*IL'chishina, N.G.*

USSR/Soil Science - General Problems.

J-1

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000518420010

Abs Jour : Ref Zhur - Biol., No 2, 1956, 5712.

Author : IL'chishina, N.G., Zhizhina, N.A.

Inst : All-Union Scientific Research Institute of Tea and Subtropical Plants.

Title : The Role of Perennial Herbaceous Leguminous Grass Mixtures in Increasing the Fertility of Podzolic Soils of the Subtropical Zone of Krasnodar Kray.

Orig Pub : Byul. Vsesoyuzn. n.-i. in-ta chaya i subtrop. kul'tur, 1956, No 4, 125-132

Abstract : On a plot of heavily argillaceous forest yellow ocher of the Sochi Testing Station of Subtropical and Southern Plants five herbaceous-leguminous grass mixtures were tested between 1950 and 1955; lotus corniculatus plus straight brome grass plus rootless couch grass; red clover.

Card 1/3

USSR/Soil Science - General Problems.

J-1

Abs Jour : Ref Zhur - Biol., No 2, 1958, 5712

plus zhitnyak [perennial steppe fodder grass] plus meadow fescue; lotus corniculatus plus high rye grass; lotus corniculatus plus red clover plus meadow fescue; lotus corniculatus plus red clover plus high rye grass plus meadow fescue. The soil of the plots was given a spring plowing at a depth of 20-22 cm. with a preliminary manuring of ~40T./hectare; vinya [?] was sown as a green crop, plowed under in the fall, and the ground fertilized with 60T./hectare of superphosphate. Over the two years the various grass mixtures gave 23.07-48.6 centners of root residue per hectare. The hardiest and most productive mixtures proved to be: lotus corniculatus plus high rye grass and lotus corniculatus plus red clover plus high rye grass plus meadow fescue. Sowing only lotus corniculatus proved equally productive. Under the influence of the grass mixtures the quantity of water-insoluble aggregates larger than 1 mm. increases 18.59-24-46%.

Card 2/3

USSR/Soil Science - General Problems.

J-1

Abs, Jour : Ref Zhur - Biol., No 2, 1958, 5712.

Autumn proved to be the best time for sowing the grasses.

L.N. Kudryashova.

Card 3/3

J-1

USSR/Soil Science - General Problems.

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20013

Author # : Il'chishina, N.G., Zhizhina, N.A.

Inst \* : -

Title : The Importance of Perennial Grasses in Increasing the Fertility of the Podzolic Soil of the Subtropical Zone of Krasnodarskiy Kray.

Orig Pub : Pochvovedeniye, 1956, No 12, 55-61

Abstract : Among the tested grain and leguminous grass mixtures the most hardy and productive were bird's foot trefoil - tall oatgrass and bird's foot trefoil - tall oatgrass - meadow fescue. The high productivity of bird's foot trefoil is noted. These perennial grass mixtures form a large amount of surface mass and accumulate large quantities of root residue in the soil. There is an increased content of soil humus and amount of water tight aggregates  $> 0.25$  mm and especially  $> 1$  mm. The best time for sowing the grass mixtures is during the fall.

Card 1/1

\* Sochinskaya opyt'naya stantsiya subtropicheskikh i gornyykh kul'tur.

PERNOV, K.; ILCHOVSKI, St.; STOKVA, Z.; DASKALOVA, L.;  
FESCHIEVA, N.; PETROV, Ig.; TANEVA, Iv.; BOIADZHIEVA, Iv.;  
MISHKOVA, R.

On clinical forms of multiple sclerosis. Savr. med. 12 no.11:  
93-99 '61.

1. Is. Katedrata po nervni bolesti pri VMI [Vissh meditsinski  
institut] - Sofia (Rukov. na katedrata prof. S. Boshinov).  
(MULTIPLE SCLEROSIS)

YEDIDOVICH, Valentin Andreyevich, inzhener; IL'CHUK, Vladimir Yefimovich;  
RUTSINSKIY, Pavel Nikolayevich; TKACHENKO, Filogeniy Dmitriyevich,  
kandidat tekhnicheskikh nauk; RYSIN, A. Ye., inzhener, redaktor;  
YUDSON, D.M., tekhnicheskiiy redaktor.

[Centralized lubrication of locomotives] TSentralizovannaya smazka  
perekovozov. Moskva, Gos.transp.shel-der.isd-vo, 1956. 126 p.  
(Locomotives--Lubrication) (MIRA 9:6)



ILCZUK, Janusz, mgr

On the application of electric power rates for agriculture in practice.  
Energetyka Pol 14 no.10:314-317 0 '60. (KEAI 10:3)

1. Zakłady Energetyczne Okregu Wschodniego  
(Poland--Rural electrification)

ILCZUK, Janusz, mgr

Electric power tariffs ought to be simplified. Energetyka Pol 15  
no.2:62-64 F '61. (EEAI 10:5)

1. Zakłady Energetyczne Okręgu Wschodniego.  
(Poland--Electric power)

ILCZUK, Janusz

Factors determining the increase of bill collectors' activities.  
Ekon org pracy 13 no.3:119-124 '62.

14CZUR 2

COUNTRY : POLAND

CATEGORY : Chemical Technology. Chemical Products and  
Their Applications. Fermentation Industry

ABS. JOUR. : RZKhim., No. 23 1959, No. 83785

AUTHOR : Ilczuk, Z.

INST. : -

TITLE : Infection of the Acetone-Butyl Musts with  
Extraneous Microorganisms

ORIG. PUB. : Acta microbiol. polon., 1958, 7, No 2, 149-158

ABSTRACT : Qualitative and quantitative investigation  
of the infection encountered in the acetone-  
butyl fermentation was conducted, revealing  
its effect on the yield of acetone (I). From  
17 samples of musts the following 18 bacteria  
species were identified: Lactobacillus, Strep-  
tococcus, Bacillus, Bacterium, Sarcina, Micro-  
coccus, Pseudobacterium, and 3 species of  
yeast. The separated species had different  
effect on the formation of I. Lactobacillus  
inhibited the process strongly, for instance

CARD:

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